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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/683,662	01/31/2002	Uwe Hansmann	DE920000079US I	1472

877 7590 04/22/2004

IBM CORPORATION, T.J. WATSON RESEARCH CENTER  
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EXAMINER
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DEBERADINIS, ROBERT L

ART UNIT	PAPER NUMBER
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2836

DATE MAILED: 04/22/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 09/683,662	<b>Applicant(s)</b> HANSMANN ET AL.	
	<b>Examiner</b> Robert DeBeradinis	<b>Art Unit</b> 2836	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 15 April 2002.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-17 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-17 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 15 April 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>4/15/02</u> . | 6) <input type="checkbox"/> Other: _____  |

## **DETAILED ACTION**

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by MISCHENKO 5,336,984.

Regarding claim 1.

MISCHENKO discloses a mobile device having a port for connecting an external power supply characterized by a further port for providing power to another mobile device (abstract). The data processing device is considered to be just another mobile device needing mobile power.

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 2-7, 12, 13, 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over MISCHENKO 5,336,984 in view of LEVESQUE 6,348,744.

Regarding claims 2, 3, 4, 12, 16.

MISCHENKO discloses the data processing device according to claim 1.

MISCHENKO does not disclose a mobile device power server (MD PS).

LEVESQUE discloses an integrated power management module wherein a data register for the DC/DC converter allows the output voltage of the DC/DC converter to be programmed via the communications interface (column 9, lines 29-35).

It would have been obvious to one having ordinary skill in the art at the time of this invention to modify the electronic powering device module to include an integrated power management module. The motivation would be to provide an integration power management module that provides the means for other devices to select its required voltage.

Regarding claims 5, 6, 13

MISCHENKO in view of LEVESQUE disclose the mobile data processing device according to claim 4 wherein said MD PS further comprises an input for providing power from a power subsystem.

MISCHENKO in view of LEVESQUE does not disclose battery charger of said power supplying device and a switch for controlling supply of said power from said power subsystem and battery charger to said power receiving mobile device.

The Examiner takes official notice. The process of charging a battery from a power subsystem is well known in the art.

It would have been obvious to modify the integrated power management module to include a battery charger. The motivation would be to provide the means to charge the battery in the mobile power device when a power subsystem is available.

Regarding claim 7.

LEVESQUE discloses wherein said voltage generator supports several independent voltage regulator circuitries concurrently (see figure 4, 42).

Claims 8-11, 14, 15, 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over MISCHENKO 5,336,984 in view of LEVESQUE 6,348,744 in further view of MALONEY 5,907,464.

Regarding claims 8, 15, 17.

MISCHENKO in view of LEVESQUE discloses the mobile data processing device according to claim 7.

MISCHENKO in view of LEVESQUE does not disclose wherein said MD PS further comprises a protection circuit for protection of said MD PS against high voltages or statically discharges applied to said output.

MALONEY discloses ESD protection circuit coupled to power supply node to protect power supply node from high voltage (abstract).

It would have been obvious to one having ordinary skill in the art at the time of this invention to modify the power supply outputs of the integrated power management module to include the ESD protection circuitry. The motivation would be to protect the output power nodes from high voltage discharge.

Regarding claims 9, 14.

MISCHENKO in view of LEVESQUE in further view of MALONEY discloses the mobile data processing device according to claim 8.

MISCHENKO in view of LEVESQUE in further view of MALONEY does not disclose an independent protection.

LEVESQUE discloses independent voltage regulator circuits having independent outputs.

MALONY discloses ESD protection circuit.

It would have been obvious to one having ordinary skill in the art at the time of this invention to modify the integrated power management module to include independent protection. The motivation would be to protect each of the independent output nodes of the power management module.

Regarding claims 10, 11.

MISCHENKO in view of LEVESQUE in further view of MALONEY discloses the mobile data processing device according to claim 8.

MISCHENKO in view of LEVESQUE in further view of MALONEY does not disclose wherein said power supply device is a notebook and said power receiving device is a mobile phone.

MISCHENKO discloses the concept wherein an electronic device powering system enables a battery powered device to power another electronic device needing power while also powering itself.

Art Unit: 2836

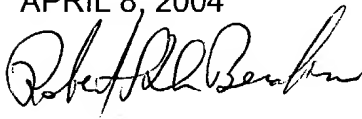
It therefor would be obvious to one having ordinary skill in the art at the time of this invention to provide a notebook with the device according to claim 9. The motivation would be to power any type of electronic device including a mobile phone or personal assistant.

Any inquiry concerning this communication should be directed to Robert L. DeBeradinis whose number is (571) 272-2049. The Examiner can normally be reached Monday-Friday from 8:30 am to 5:00 pm.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Brian Sircus, can be reached on (571) 272-2058. The Fax phone number for this Group is (703) 872-9306.

RLD

APRIL 8, 2004

A handwritten signature in black ink, appearing to read "Robert L. DeBeradinis", written over the typed name.